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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/043,096	01/14/2002	Sun-Young Lee	242/115	6729	
27849	7590 08/21/2003		•		
LEE & STERBA, P.C. 1101 WILSON BOULEVARD SUITE 2000			EXAMINER		
			HARRIS, A	NTON B	
ARLINGTON, VA 22209			ART UNIT	PAPER NUMBER	
			2831		
			DATE MAILED: 08/21/2003	DATE MAILED: 08/21/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

•		_
	Application No.	Applicant(s)
	10/043,096	LEE, SUN-YOUNG
Office Action Summary	Examiner	Art Unit
	Anton B Harris	2831
The MAILING DATE of this communic Period for Reply	ation appears on the cover sheet w	ith the correspondence address
A SHORTENED STATUTORY PERIOD FO. THE MAILING DATE OF THIS COMMUNIC - Extensions of time may be available under the provisions of after SIX (6) MONTHS from the mailing date of this commur - If the period for reply specified above is less than thirty (30) - If NO period for reply is specified above, the maximum statu - Failure to reply within the set or extended period for reply wi - Any reply received by the Office later than three months afte earned patent term adjustment. See 37 CFR 1.704(b). Status	ATION. f 37 CFR 1.136(a). In no event, however, may a r nication. days, a reply within the statutory minimum of thir story period will apply and will expire SIX (6) MON ill, by statute, cause the application to become AE	reply be timely filed ty (30) days will be considered timely. ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
1) Responsive to communication(s) filed	d on	
2a) This action is FINAL.	b)⊠ This action is non-final.	
Since this application is in condition f closed in accordance with the practic Disposition of Claims		
4)⊠ Claim(s) <u>1-11</u> is/are pending in the ap	oplication.	
4a) Of the above claim(s) is/are	withdrawn from consideration.	
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1-11</u> is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction Application Papers	on and/or election requirement.	
9) The specification is objected to by the E	Examiner.	
10) The drawing(s) filed on is/are: a) accepted or b) objected to by t	he Examiner.
Applicant may not request that any object	tion to the drawing(s) be held in abeya	ance. See 37 CFR 1.85(a).
11)☐ The proposed drawing correction filed o	on is: a) [approved b) [d	isapproved by the Examiner.
If approved, corrected drawings are requi	ired in reply to this Office action.	
12)☐ The oath or declaration is objected to b	y the Examiner.	
Priority under 35 U.S.C. §§ 119 and 120		
13) Acknowledgment is made of a claim for	or foreign priority under 35 U.S.C.	§ 119(a)-(d) or (f).
a)⊠ All b)□ Some * c)□ None of:		
1. Certified copies of the priority do	ocuments have been received.	
2. Certified copies of the priority do	ocuments have been received in A	pplication No. <u>10/043,096</u> .
 3. Copies of the certified copies of application from the Internat * See the attached detailed Office action in 	the priority documents have been tional Bureau (PCT Rule 17.2(a)).	_
14) ☐ Acknowledgment is made of a claim for	•	
a) ☐ The translation of the foreign langu		
a) ☐ The translation of the foreign range 15)☐ Acknowledgment is made of a claim for Attachment(s)		
_	о .	
I) ⊠ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO B) ☑ Information Disclosure Statement(s) (PTO-1449) Pape	D-948) 5) Notice of I	Summary (PTO-413) Paper No(s) nformal Patent Application (PTO-152)

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Burhart (5,825,607 cited by Applicant).

Regarding claim 1, Burkhart (col. 3 line 49-col. 4 line54) discloses an apparatus comprising:

a plurality of sliding pockets sunken into the supporting surface 102 of the chuck 108; and

a plurality of sliding pads 112 respectively floating-coupled in the sliding pockets 218 such that the sliding pads 112 are spaced apart from the supporting surface.

Regarding claim 2, Burkhart (col. 5 lines 61-col. 6 line 4) discloses that each of the sliding pockets 218 includes a magnetic pocket body having an internal space that confines a part of the sliding pad 112, and a magnetic base cover 118 spaced apart from a lower part of the sliding pad 112.

Regarding claim 3, Burkhart (col. 5 lines 61-col. 6 line 4) discloses that the sliding pad 112 includes a sliding body with parts having a magnetic polarity identical to the magnetic

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polarity of corresponding parts of the pocket body 218 and base cover 118, and a supporting member 113 installed at a part of an upper surface of the sliding body (top of 112). See figure 2.

Regarding claim 4, Burkhart (col. 5 lines 61-col. 6 line 4) discloses that the corresponding parts of the sliding pocket 218 and sliding body 112 are made of the same magnetic substance.

Regarding claim 5, Burkhart (figure 1) discloses that the sliding pad 112 is in a reverse T shape.

Regarding claim 6, Burkhart (figure 1) discloses that the lower part of the pocket body 218 and the base cover 118 are fixed at a predetermined depth into the supporting surface 102 of the chuck 108. See figure 2.

Regarding claim 7, Burkhart (col. 3 line 49-col. 4 line54) discloses that the supporting chuck 108 is an electrostatic chuck.

Regarding claim 8, Burkhart (col. 3 line 49-col. 4 line54) discloses that the object to be fabricated is a semiconductor wafer 116.

Regarding claim 9, Burkhart (col. 3 line 49-col. 4 line54) discloses an apparatus comprising:

a plurality of sliding pockets sunken into the supporting surface 102 of the chuck 108; and

a plurality of sliding pads 112 respectively floating-coupled in the sliding pockets 218 such that the sliding pads 112 are spaced apart from the supporting surface.

Furthermore regarding claims 9-11, the methods disclosed therein are deemed as inherent in the assembly of the apparatus as claimed as fully met by the above reference Burkhart and are

subsequently rejected.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

Kamitani U.S. Patent No. 6,028,762 discloses an electrostatic chuck with grooves

formed on the surface layer and a semiconductor wafer.

Ushikoshi et al. U.S. Patent No. 6,057,513 discloses a plurality of sliding pockets sunken

into the supporting surface.

Hausmann U.S. Patent No. 6,067,222 discloses an electrostatic chuck with a chuck body.

4. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Anton B Harris whose telephone number is (703) 305-4764. The

examiner can normally be reached on weekdays from 8:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Mr. Dean Reichard, can be reached on (703) 308-3682. The fax phone number for

the organization where this application or proceeding is assigned is (703) 305-1341.

Any inquiry of a general nature or relating to the status of this application should be

directed to the Group receptionist whose telephone number is (703) 308-0956.

abh

DEAN A REIGHARD 8/11/03

SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 2800